

ABSTRACT OF THE DISCLOSURE

The present invention relates to a communication device for transmitting transmission information to a connectionless network, while shaping it, within the range of a transmission bandwidth ($= BW_t \cdot BW_r / \sum BW$) to be applied to transmission of this transmission information computed based on bandwidths BW_t and BW_r , which are allotted respectively to a local station corresponding to a transmitting party of the transmission information and a node corresponding to a destination, and the sum total $\sum BW$ of bandwidths allotted to all the nodes except that destination, and a bandwidth management method applied to the communication device. In a network to which the present invention is applied, bandwidths are managed properly and efficiently, and furthermore, high transmission quality and service quality are maintained steadily and high RAS is also enhanced.